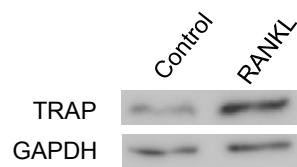
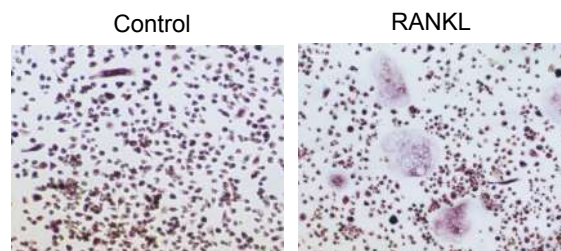


Supplementary Figure 1

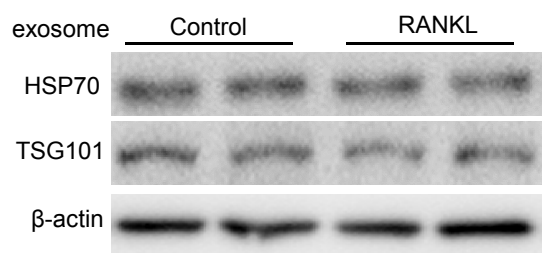
**a**



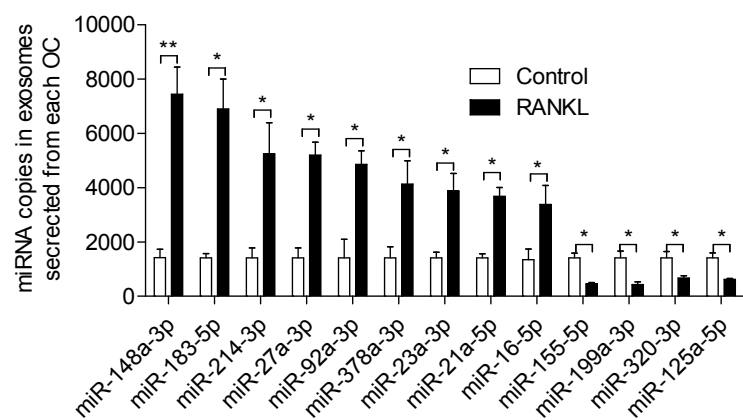
**b**



**c**



**d**



**Supplementary Figure 1. Tartrate-resistant acid phosphatase (TRAP) protein levels during the process of osteoclastogenesis and miR-214 levels in exosomes.**

(a) TRAP protein levels in RAW 264.7 cells with and without RANKL (50 ng/ml) induction for 2 days were analyzed by western blot. (b) Representative images of TRAP staining of RAW 264.7 cells with and without RANKL treatment. (c) The protein levels of HSP70 , TSG101 and  $\beta$ -actin in exosomes secreted by RANKL-induced RAW 264.7 cells for 2 days were analyzed by western blot. (d) miRNAs copies in exosomes secreted from each osteoclast cell were analyzed by qRT-PCR and calculated according to the standard curves. The data represent the mean  $\pm$  SEM of three independent experiments. \* $P$ <0.05, \*\* $P$ <0.01.